

In the Specification

Please replace paragraph [0033] with the following replacement paragraph:

[0033] Note that the traffic at a node can be drop traffic, bypass traffic or add traffic. The following four variables: $V_{i,o,p}^{n,w}$, $W_{i,o}^{n,w}$, $B_{i,o}^{n,b}$ and $F_{i,o}^n$ are used for describing the lightpaths, each of which can represent bypass traffic when $i \in I_n, o \in O_n$; add traffic when $i \in [I_n, O_n] A_n$, $o \in O_n$ or drop traffic when $i \in I_n, o \in D_n$. An incoming (or outgoing) fiber refers to either an input (or output) fiber from (or to) a neighboring node or a fiber connecting the local node to any add (or drop) port at the WXC, BXC and FXC layer).